

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANASANGAMA” BELGAUM-590014

KARNATAKA



PROJECT REPORT

ON

“PLC BASED ADVANCED WATER DISTRIBUTION SYSTEM”

SPONSORED BY KARNATAKA STATE COUNCIL FOR SCIENCE AND
TECHNOLOGY (KSCST), IISc, BANGALORE

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING IN
Electronics and Communication

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(An ISO 9001:2008 Certified Institution)



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ABSTRACT

PLC Based Advanced Water Distribution System primarily focused on water crisis. In order to make water distribution more efficiently by reducing unnecessary wastage of water and power we are proposing Advanced Water Distribution for both rural and urban areas.

The Advanced Water Distribution System (AWD System) is an intelligent system which ensures the balanced distribution of the water throughout the city. The AWD system offers complete & effective automation for the Water distribution .It monitors, controls and protects all the water pumps used for the water distribution purpose. It monitors all the water storage tanks situated in the city and distributes the water equally to all the areas depending upon the amount of water in the tank. All these tasks are monitored through dedicated system software of the AWD system. It is versatile and allows the addition of areas, control valves, storage tanks and water pumps.